HARSHIT CHAUDHARY
REGISTERED INDIAN PATENT AGENT
(IN/PA-5118)

PROFILE

Seeking a challenging role in a highly organized environment where I can get the opportunity to expand my knowledge, learning and skills for professional growth.

CONTACT

PHONE: +91-7983333683

LINKEDIN:

https://www.linkedin.com/in/harshitchaudhary25

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harrymsuv@gmail.com

INTERESTS

Table Tennis
Chess
Cycling
Meditation
Theatre

LANGUAGES

English - Native/Bilingual Proficiency
Hindi - Native/Bilingual Proficiency
French - Elementary Proficiency

EDUCATION

Amity School of Engineering and Technology, Amity University-Noida
2017 - 2021
B. Tech (Electronics and Communication Engineering)
CGPA - 7.41

C L Gupta World School, Moradabad
2015 - 2016
Senior Secondary, Science (PCM)
76.6%

INTERNSHIP

Defence Research and Development Organization (DRDO)-Research Intern
April 2020 - May 2020
- FIR Filter Design in Future Multicarrier Communication Systems
- Examined various methods to design FIR filters
- Identified and implemented three suitable methods using MATLAB

SKILLS

- Patent Law
- Patent Searching
- Patentability
- Artificial Intelligence
- Deep Learning
- Machine vision

PUBLICATIONS

Texture based Bone Radiograph Image Analysis for the assessment of Osteoporosis using Hybrid Domain
June 2021
- Published on IEEE Xplore
- Link - https://ieeexplore.ieee.org/document/9451808

CERTIFICATIONS

Patent filing requirements in India, Patent Specification, Patent Claim, case studies, Patent prior art search, case studies, Design filing requirement in India & search - From 19th -23rd September 2022

- Issued by Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Nagpur.

Patent filing process in India, International Patent application PCT filing process & Conventional Patent application, Patent filing process in other countries like USPTO, EPO, JPO - From 28th -30th June 2022

- Issued by Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Nagpur.

EXTRACURRICULAR ACHIEVEMENTS

- Participated and secured 3rd position in Street play competition held on 15th - 16th March 2019 at Inderprastha Engineering College, Ghaziabad.

- Achieved 1st position in Street play competition held on 9th March 2019 at NIIT, Neemrana.

- Invited by National School of Drama to perform in 20th Bharat Rang Mahotsav organized by & in National School of Drama, New Delhi on 10th February 2019.

- Accomplished 2nd position in Stage play competition held on 21st September 2018 at All India Institute of Medical Sciences, New Delhi.

PROJECTS

Classification of the trabecular bone structure of osteoporotic patients using machine vision
December 2020 - May 2021
- Implemented various CNNs on MURA (Musculoskeletal Radiographs) dataset to differentiate among bones of healthy and osteoporotic patients for seven different bone categories.
- Ensembled best three models based on Cohen's kappa score, AUC, and test accuracy in each bone category to get an enhanced model which was retrained to provide results.

Gas Leakage Detector using Arduino and GSM Module with SMS Alert
May 2019 - June 2019
- Designed a microcontroller-based system that sends an emergency message on detecting gas leakage at home, factories, etc.
- Consisted of a MQ6 gas sensor, a GSM SIM900a module interfaced with Arduino UNO alongside a 16×2 LCD Display with I2C module.

ACHIEVEMENTS

Dr. Shambhunath Singh Research Foundation - Volunteer
August 2020 - October 2020
- Volunteered in Social services.
- Created material to spread awareness about child marriage, child abuse, child trafficking, child labor and women empowerment.
- Developed educational material for deprived children associated with the organization.

Amity University - Coordinator
07th -08th March 2019
- Coordinated in 6th International Conference on Signal Processing and Integrated Networks (SPIN-2019) held at Amity University, Noida.

Amity University - Volunteer
22nd -23rd February 2018
- Volunteered in 5th International Conference on Signal Processing and Integrated Networks (SPIN-2018) held at Amity University, Noida.

HONORS & AWARDS

Organizer in 7th International Conference on Signal Processing & Integrated Networks
27th -28th February 2020
- Issued by Department of Electronics & Communication Engineering, Amity University, Noida.

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